

- 1 Q. **Reference: Project 4: Upgrade Worst-Performing Distribution Feeders (2026 - 2027)**
- 2 Page 3, lines 3-5.
- 3 “Due to the length of the LAL-L1 feeder, the CHIKM and CIKM indices are not relevant and
- 4 have been removed from this report to simplify the analysis.”
- 5 Provide the CHIKM and CIKM indices for the worst performing feeders in the Hydro
- 6 distribution system similar to what is provided in Appendix A for CHI, SAIDI and SAIFI.
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- 9 A. Please refer to Table 1 and Table 2 for the CHIKM¹ and CIKM² indices, respectively.

Table 1: Worst-Performing Feeders Sorted by CHIKM³

Rank	Feeder	CHIKM
1	Black Tickle, Line 1	368
2	Nain, Line 1	268
3	Bottom Waters, Line 7	266
4	Happy Valley, Line 16	245
5	Cartwright, Line 1	236
6	Monkstown, Line 2	203
7	Barchoix, Line 4	180
8	Jackson's Arm, Line 2	140
9	Bottom Waters, Line 4	137
10	Rocky Harbour, Line 1	135
11	Happy Valley, Line 7	120
12	Farewell Head, Line 4	109
13	Conne River, Line 1	105
14	Happy Valley, Line 4	104
15	Roddickton, Line 1	99
16	Makkovik, Line 1	97
17	Wabush, Line 9	94
18	Ramea, Line 1	92
19	Barchoix, Line 1	92
20	Happy Valley, Line 15	90

¹ Customer Hours of Interruption per Kilometre (“CHIKM”) is calculated by dividing the number of customer outage hours by the kilometres of feeder. This index is calculated excluding loss of supply outages, planned outages, customer requests, and major events.

² Customers Interrupted per Kilometre (“CIKM”) is calculated by dividing the number of customers that have experienced an outage by the kilometres of feeder. This index is calculated excluding loss of supply outages, planned outages, and customer requests.

³ Data provided is as of December 31, 2023. The next assessment on Newfoundland and Labrador Hydro’s (“Hydro”) distribution feeders will be completed in 2026.

Table 2: Worst-Performing Feeders Sorted by CIKM⁴

Rank	Feeder	CIKM
1	Happy Valley, Line 16	116
2	Happy Valley, Line 4	113
3	Happy Valley, Line 5	111
4	Nain, Line 1	107
5	Happy Valley, Line 8	84
6	Bottom Waters, Line 7	76
7	Happy Valley, Line 15	70
8	Happy Valley, Line 6	63
9	Makkovik, Line 1	61
10	Wabush, Line 9	61
11	Barachoix, Line 4	60
12	Farewell Head, Line 4	51
13	Wabush, Line 7	51
14	Happy Valley, Line 1	50
15	Happy Valley, Line 10	49
16	Rocky Harbour, Line 1	48
17	Happy Valley, Line 3	47
18	Farewell Head, Line 5	46
19	Black Tickle, Line 1	42
20	Happy Valley, Line 7	40

⁴ Data provided is as of December 31, 2023. The next assessment on Hydro's distribution feeders will be completed in 2026.